

TRUCKEE RIVER BASIN, LAKE TAHOE

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 are unpublished but are available from U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 17.0°C, July 2, 3, 2001, July 14, 2002, July 21, 22, 24, 2003; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date | Time | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specific conductance, wat unfltrd uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Ammonia + org-N, water, fltrd, mg/L as N (00623) | Ammonia + org-N, water, unfltrd, mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | ¹ Nitrite + nitrate water fltrd, mg/L as N (00631) |
|-------|------|--------------------------------------|------------------------------------|--------------------------------|---|---|---|---------------------------------|-----------------------------------|--|--|---|---|
| OCT | | | | | | | | | | | | | |
| 09... | 1410 | 1.7 | -- | -- | -- | -- | 56 | 19.5 | 8.6 | -- | .11 | .003 | .002 |
| NOV | | | | | | | | | | | | | |
| 04... | 1405 | 3.1 | -- | -- | -- | -- | 54 | 1.5 | 1.5 | -- | .10 | <.003 | .003 |
| DEC | | | | | | | | | | | | | |
| 05... | 1435 | E5.0 | 598 | 11.1 | 101 | 7.7 | 40 | 3.5 | 1.5 | .10 | .18 | .003 | .010 |
| JAN | | | | | | | | | | | | | |
| 08... | 1450 | E6.1 | -- | -- | -- | -- | 39 | 1.5 | 1.0 | -- | .12 | .003 | .025 |
| FEB | | | | | | | | | | | | | |
| 04... | 1330 | E5.1 | -- | -- | -- | -- | 37 | .5 | .0 | -- | .09 | .004 | .023 |
| MAR | | | | | | | | | | | | | |
| 03... | 1425 | 6.3 | 596 | 10.9 | 99 | 7.5 | 37 | 3.0 | 1.4 | .10 | .11 | .005 | .020 |
| 18... | 1250 | 38 | -- | -- | -- | -- | 24 | 14.5 | 2.5 | .11 | .15 | <.003 | .018 |
| APR | | | | | | | | | | | | | |
| 08... | 1235 | 66 | -- | -- | -- | -- | 18 | 11.5 | 3.5 | -- | .09 | .004 | .009 |
| 13... | 1105 | 83 | -- | -- | -- | -- | 18 | 10.0 | 3.0 | .12 | .12 | .005 | .012 |
| 22... | 1345 | 38 | -- | -- | -- | -- | 26 | 6.0 | 4.0 | .11 | .23 | <.003 | .013 |
| 26... | 1445 | 80 | -- | -- | -- | -- | 21 | 19.0 | 6.5 | .07 | .16 | .005 | .015 |
| MAY | | | | | | | | | | | | | |
| 03... | 1625 | 158 | -- | -- | -- | -- | 18 | 19.0 | 7.5 | .11 | .34 | .005 | .010 |
| 17... | 1315 | 94 | -- | -- | -- | -- | 20 | 14.0 | 7.0 | .10 | .10 | .004 | .007 |
| JUN | | | | | | | | | | | | | |
| 02... | 1010 | 89 | 601 | 9.1 | 96 | 7.4 | 21 | 21.0 | 7.4 | .12 | .09 | .005 | .005 |
| 14... | 1400 | 42 | -- | -- | -- | -- | 24 | 20.5 | 12.0 | .09 | .10 | .003 | .005 |
| JUL | | | | | | | | | | | | | |
| 07... | 1420 | 12 | -- | -- | -- | -- | 34 | 23.0 | 15.0 | -- | .11 | .003 | .005 |
| AUG | | | | | | | | | | | | | |
| 03... | 1610 | 3.4 | -- | -- | -- | -- | 50 | 21.5 | 13.5 | -- | .11 | .004 | .022 |
| SEP | | | | | | | | | | | | | |
| 07... | 1030 | 1.4 | 605 | 8.4 | 92 | 7.5 | 54 | 15.0 | 9.3 | .09 | .14 | .007 | .019 |

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10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date | Ortho-phosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, fltrd, mg/L (00666) | Phosphorus, water, unfltrd mg/L (00665) | Suspended sediment concentration mg/L (80154) | Suspended sediment discharge, tons/d (80155) |
|-----------|--|--|---|---|--|
| OCT 09... | .019 | .029 | .035 | 1 | <.01 |
| NOV 04... | .015 | .021 | .025 | 2 | .02 |
| DEC 05... | .018 | .023 | .039 | 6 | E.08 |
| JAN 08... | .009 | .013 | .017 | <1 | E.02 |
| FEB 04... | .009 | .017 | .017 | <1 | E.01 |
| MAR 03... | .007 | .018 | .019 | 1 | .02 |
| 18... | .003 | .009 | .013 | 3 | .31 |
| APR 08... | .004 | .010 | .018 | 3 | .53 |
| 13... | .003 | .009 | .013 | 9 | 2.0 |
| 22... | .007 | .012 | .015 | 4 | .41 |
| 26... | .004 | .008 | .015 | 3 | .65 |
| MAY 03... | .006 | .011 | .030 | 13 | 5.5 |
| 17... | .006 | .015 | .019 | 2 | .51 |
| JUN 02... | .007 | .013 | .019 | 3 | .72 |
| 14... | .009 | .014 | .021 | 1 | .11 |
| JUL 07... | .013 | .021 | .034 | 3 | .10 |
| AUG 03... | .021 | .040 | .049 | 1 | .01 |
| SEP 07... | .022 | .031 | .044 | 3 | .01 |

Remark codes used in this table:

< -- Less than
E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.